

Converting Colors

XYZ(35.8596, 29.1841, 88.4979)

Have a look what the booklet for
XYZ(35.8596, 29.1841, 88.4979)
contains.

XYZ(35.8581, 29.2720, 88.5542)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.8581, 29.2720,
88.5542)**

Conversions

Conversions Part 1

Format	Color
Hex	8E86F3
RGB	142, 134, 243
RGB Percent	56%, 53%, 95%
CMY	0.4431, 0.4745, 0.0471
CMYK	0.42, 0.45, 0.00, 0.05
HSL	244°, 82%, 74%
HSV	244°, 45%, 95%
XYZ	35.8581, 29.2720, 88.5542
YIQ	148.8180, -30.2210, 35.5950

Conversions

Conversions Part 2

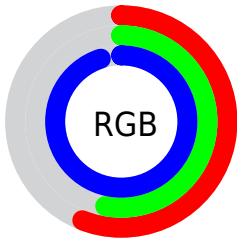
Format	Color
RYB	142, 134, 243
Decimal	9340659
CIELab	61.02, 29.30, -53.89
CIElCh	61, 61.342, 298.533
Yxy	29.2720, 0.2333, 0.1905
Android (android.graphics.Color)	4287530739 (0xFF8E86F3)
YUV	148.8180, 46.4317, -5.9794
Hunter-Lab	54.1036, 23.6227, -59.1705

Details

The XYZ color **35.8581, 29.2720, 88.5542** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.6144, 83.4848, 34.9474**, and the grayscale version is **28.3119, 29.7863, 32.4373**.

A 20% lighter version of the original color is **59.6397, 55.0400, 102.0882**, and **15.7796, 11.8171, 47.9036** is the 20% darker color. If you saturate the color by 10%, you get **29.3966, 21.5153, 87.3982**, and if you desaturate by 10%, it is **43.8737, 38.9760, 90.0054**.

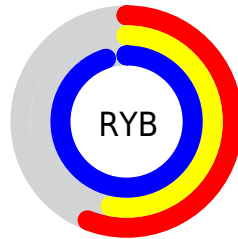
Distribution



Red (56%)

Green (53%)

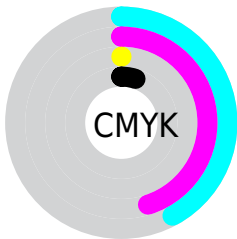
Blue (95%)



Red (56%)

Yellow (53%)

Blue (95%)

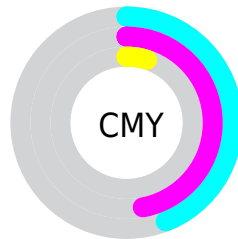


Cyan (42%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (44%)

Magenta (47%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8581, 29.2720, 88.5542 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 35.8581, 29.2720, 88.5542 by changing the saturation by 10% instead.

■ 35.8581, 29.2720,
88.5542

■ 35.8581, 29.2720,
88.5542

319.7820,
298.4962, 543.7647

■ 24.4942, 19.2867,
66.2152

■ 68.1383, 58.5090,
147.2464

■ 15.8274, 11.8776,
47.9895

■ 89.7853, 78.5294,
184.4367

■ 9.4921, 6.6604,
33.4587

■ 115.5908,
102.6637, 227.4144

■ 5.1232, 3.2506,
22.2041

145.9200,
131.2961, 276.5982

■ 2.3552, 1.2639,
13.8072

181.1384,
164.8112, 332.4066

■ 0.8227, 0.1130,
7.8495

221.6113,

■ 0.0000, 0.0000,

203.5933, 395.2581

3.9124

267.7040,
248.0269, 465.5713

■ 0.0000, 0.0000,
1.5774

■ 0.0000, 0.0000,
0.2746

■ 35.8581, 29.2720,
88.5542

■ 35.8581, 29.2720,
88.5542

■ 29.3966, 21.5153,
87.3982

■ 43.8737, 38.9760,
90.0054

■ 24.3849, 15.5714,
86.5150

■ 53.5318, 50.7436,
91.7677

■ 20.7113, 11.2935,
85.8829

■ 64.9180, 64.6854,
93.8586

■ 18.2463, 8.5104,
85.4756

■ 78.1113, 80.9035,
96.2937

■ 16.8342, 7.0138,
85.2612

■ 93.0251, 99.1724,
99.0339

■ 16.4243, 6.5982,
85.2026

■ 93.1778, 99.2511,
99.0410

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.4291, 29.2720, 99.5541



35.8581, 29.2720, 88.5542



43.1585, 29.2720, 60.9352

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.8581, 29.2720, 88.5542



36.6743, 29.2720, 7.0930



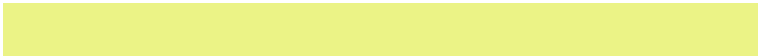
15.0773, 29.2720, 30.7546

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.8581, 29.2720, 88.5542



70.6144, 83.4848, 34.9474

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.6321, 29.2720, 13.9286



35.8581, 29.2720, 88.5542



28.2189, 29.2720, 4.9692

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8581, 29.2720, 88.5542



43.6899, 29.2720, 15.0874



21.0866, 29.2720, 6.6857



16.3534, 29.2720, 57.9672

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8581, 29.2720, 88.5542



45.8389, 29.2720, 41.4844



21.0866, 29.2720, 6.6857



15.2795, 29.2720, 23.8729

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.8593, 29.2730, 88.5549



74.9600, 75.2756, 105.1866



55.9286, 71.3776, 95.6241



15.3889, 15.3074, 22.3935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8593, 29.2730, 88.5549



33.2599, 24.5562, 97.5946



47.4078, 35.2265, 89.0954



15.6938, 15.9848, 20.8008



9.0549, 3.6423, 46.7638



0.8343, 0.3399, 4.1119

Inverse Universe

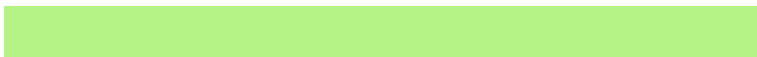
The Inverse Universe completely reimagines the original color for something new.



60.4829, 42.1036, 83.5348



64.1009, 40.6385, 90.7637



55.4652, 75.6751, 34.2384



17.1580, 16.7461, 20.5788



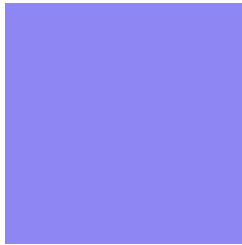
27.7790, 13.4550, 40.4063



2.4569, 1.1887, 3.6325

Previews

White Background



This preview shows how the XYZ color 35.8581, 29.2720, 88.5542 looks on a white background.

Color Contrast Check

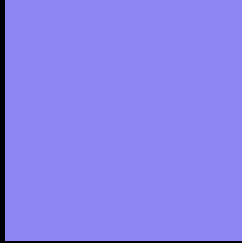
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8581, 29.2720, 88.5542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

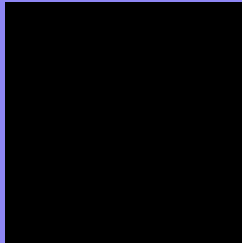
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8581, 29.2720, 88.5542

Background



This preview shows how black text looks on a background with the XYZ color 35.8581, 29.2720, 88.5542.



This preview shows how white text looks on a background with the XYZ color 35.8581, 29.2720,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.8581, 29.2720, 88.5542

Protanopia

32.6487, 29.3825, 96.0461

Deuteranopia

30.4379, 29.5949, 86.5462



Tritanopia

25.9551, 29.2744, 39.4045

Trichromacy



Original Color

35.8581, 29.2720, 88.5542

Protanomaly

33.5472, 29.2406, 93.4984

Deuteranomaly

31.8840, 29.1839, 87.1717

Tritanomaly

28.8043, 28.7682, 54.4867

Monochromacy



Original Color

35.8581, 29.2720, 88.5542

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.3746, 29.4764, 48.8883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8581, 29.2720, 88.5542 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(142, 134, 243)` looks like.

```
.text, #text, p{  
    color:rgb(142, 134, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(142, 134, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 134, 243) }
```

Border

The CSS property to change the border of an element to XYZ 35.8581, 29.2720, 88.5542 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(142, 134, 243) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(142, 134, 243) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(142, 134, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 134, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 134, 243);  
box-shadow:4px 4px 4px 4px rgb(142, 134,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8581, 29.2720, 88.5542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 134, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(142,  
134, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor